DRAFT CLOSURE PLANS FOR THE U.S. DEPARTMENT OF ENERGY HAZARDOUS WASTE MANAGEMENT FACILITY AND RADIOACTIVE MATERIALS HANDLING FACILITY

Santa Susana Field Laboratory (SSFL)

Public Hearings August 30, 2018 and September 8, 2018

Department of Toxic Substances Control

DTSC's Mission

To protect California's people and environment from harmful effects of toxic substances by restoring contaminated resources, enforcing hazardous waste laws, reducing hazardous waste generation, and encouraging the manufacture of chemically safer products.

Meeting Guidelines

We request the audience to please...

- Silence all mobile phones, tablets and electronics
- Limit cross conversation during the meeting
- Treat other people with the same level of respect you expect from others
- Photography, sound and video recording may occur
  - If you do not wish to be filmed or photographed please inform the photographer/videographer directly

Purpose of the Public Hearing

Provide information about

1. Draft Closure Plans for Hazardous Waste Management Facility and Radioactive Materials Handling Facility
2. Draft Standard Operating Procedures (SOP)
3. How to provide comments during the public review period
4. Next steps

Receive verbal comments during public hearing and written comments

DTSC will provide responses to all comments regarding the Draft Closure Plans, but will not respond to comments during this meeting.

Providing Comments Today

Verbal Comment

- Public hearing
- Speaker card
- Three (3) minute maximum
- No verbal responses will be provided. Written responses will be provided in the Final Closure Plans.

Written Comment

- Comment form
- Written letters
- Email to: Laura.Rainey@dtsc.ca.gov

Public Meeting Agenda

- Presentations
  - Project Background
  - Draft Closure Plan for Radioactive Materials Handling Facility
  - Draft Closure Plan for Hazardous Waste Management Facility
- Verbal and Written Comments

Resource Conservation and Recovery Act (RCRA)

- RCRA grants the U.S. Environmental Protection Agency broad authority to regulate the handling, treatment, storage, and disposal of hazardous wastes.
- This authority was delegated to DTSC, and DTSC implements RCRA.
- RCRA provides the framework to remediate hazardous waste sites.

RCRA Permitting Process

RCRA Permit regulations establish provisions for the issuance and administration of hazardous waste permits pursuant to chapter 6.5 of division 20 of the Health and Safety Code

- Permit required by owners/operators of hazardous waste facilities that transfer, treat, store, or dispose of that waste
- Permits required during the active life (including closure period) of the unit

Building T133
Radioactive Materials Handling Facility
Area IV
Bell Canyon
9665 ft
© 2018 Google
Plummer St
Building T029

RCRA Closure

Facilities regulated through RCRA hazardous waste permits or authorized interim status must undergo closure at the end of their active life.

Closure Plans describe the steps necessary to perform partial closure of the facility during its active life and to perform final closure of the facility at the end of its active life.

RCRA closure (or cleanup) should result in:

- minimal need for further maintenance
- removal of hazardous waste and hazardous constituent residues so they are no longer a threat to public health and the environment

Closure at HWMF and RMHF

- DOE submitted Draft Closure Plans and SOP for the HWMF and the RMHF
- Closure (cleanup) activities are for buildings and building debris
- Contamination will be addressed under the 2010 AOC (soil) and the 2007 Consent Order (CO) (groundwater)
- Proposed closure actions were evaluated under the California Environmental Quality Act (CEQA) in DTSC's 2017 Draft Program Environmental Impact Report.

Role of Regulatory Agencies

- DTSC approval authority through RCRA hazardous waste regulations: decontamination and demolition
- DOE authority through Atomic Energy Act: decommissioning and demolition - remove buildings from all radiological service (e.g., mixed waste, low-level radioactive waste service)
- Department of Health Services Radiologic Health Branch will verify characterization and disposition of decommissioned materials

Demolition Activities

- Initial Closure/Pre-demolition activities
- Closure/Pre-demolition surveys
- Decontamination and Removal
- Verification Sampling
- Abatement
- Demolition and Disposal of Waste
- Site Restoration and Post Closure Surveys

Standard Operating Procedures

- Functional framework of procedures and protocols for pre-demolition evaluation of buildings
- Process for preparation/submittal of closure, demolition and waste disposal plans for HWMF and RMHF
- Detailed building-specific demolition work packages will be submitted after NEPA/CEQA processes completed
- DTSC will evaluate if implementation of described work could cause adverse impacts

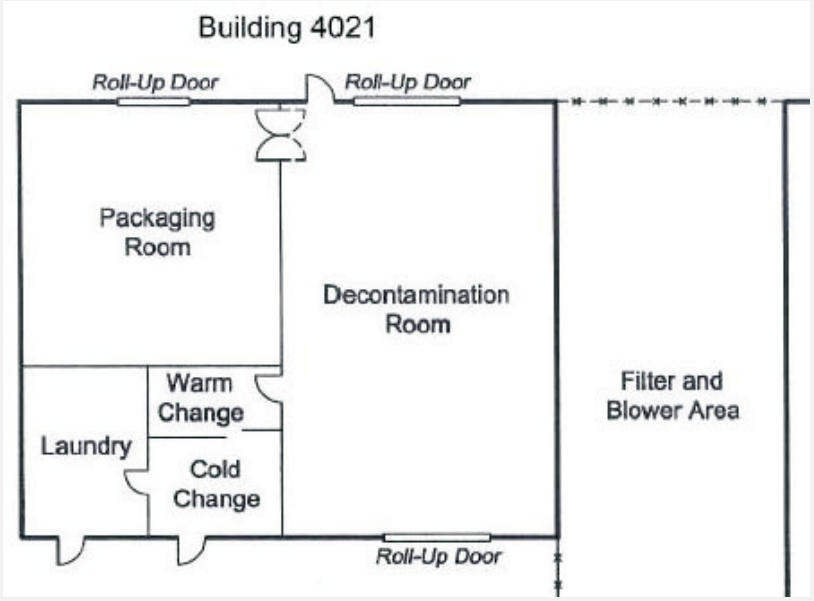
DTSC Oversight for Closure Demolition

- Review/approve relevant demolition notification packages
- Schedule/coordinate site visits
- Applicable oversight
- Demolition document review:
  - Waste characterization
  - Radiological screening
  - Hazardous materials abatement
  - Debris disposal

Building Demolition Needed for AOC Soils Cleanup

- Removal of buildings and structures will allow transition to soil investigation and cleanup (under the 2010 AOC)
- Pre-demo observations documented to aid future soil/groundwater investigations
- Demolition does NOT include soil cleanup
- Removal of some structures may be conducted under 2010AOC/2007CO

Radioactive Materials Handling Facility



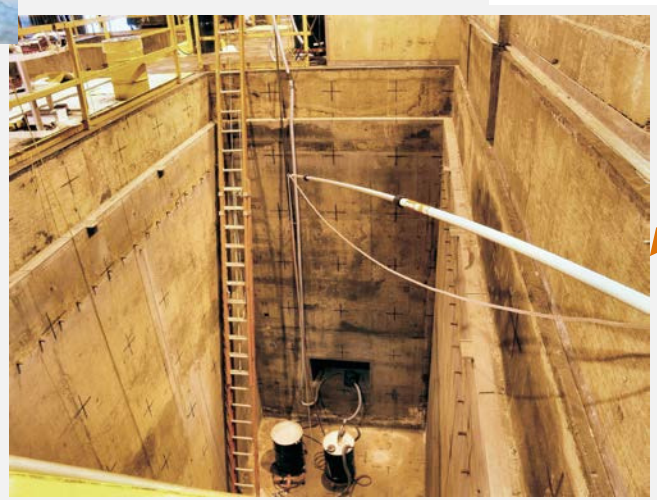
Building 4021

Decontamination Room

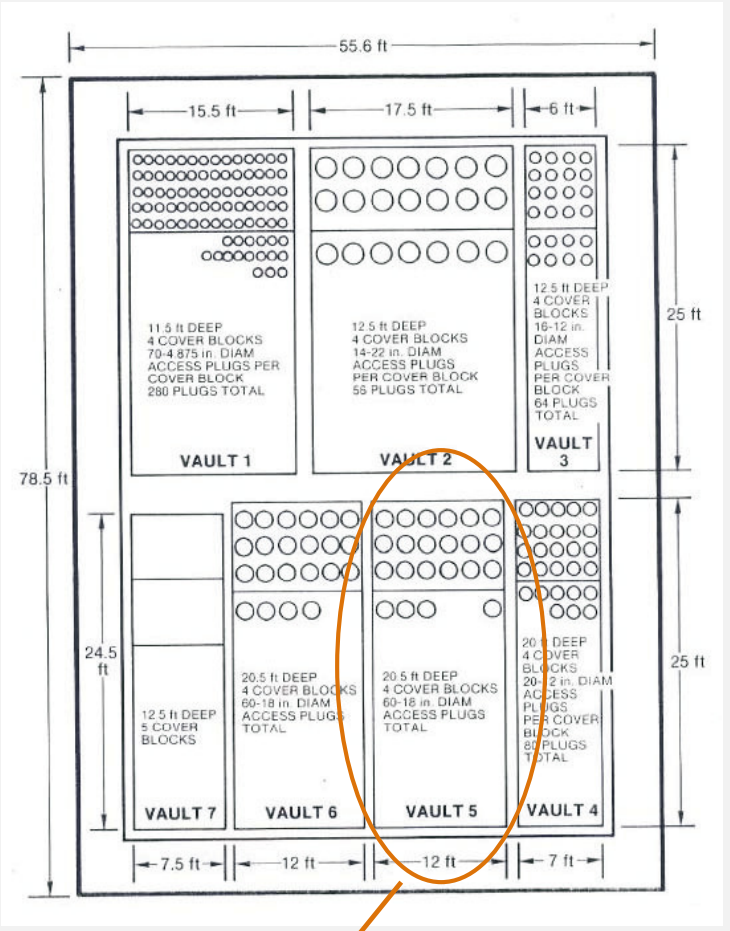
Packaging Room

Building 4022

Building 4022 Interior



Vault 5



Building 4022 Floor Plan Vault Details

RMHF Closure - Key Objectives

- Meet Closure Performance Standards for chemical cleanup of building structures
- Demonstrate hazardous waste and its residue have been removed and are no longer a threat to human health and the environment (DTSC authority)
- No exposure to ionizing radiation and releases of radioactive materials remain (DOE authority)

RMHF Closure - Demolition

- DOE will remove the RMHF from all radiological service (i.e., active life for mixed waste, low-level radioactive waste service) through its Decommissioning and Demolition program
- In parallel, RMHF will be removed as a hazardous waste facility through DTSC-approved Closure Plan activities
- Radiological release first under DOE's D&D, then chemical cleanup under Closure Plan

RMHF Closure – Waste Management

- DTSC has RCRA approval authority for hazardous waste management
- Will be summarized in the waste and transportation plan in the demolition notification package
- Demolition debris characterized as low level radioactive waste will be scheduled for disposal at the Nevada National Security Site
- DTSC to verify independently if the applicable state regulatory requirements are met

HWMF - Building 4621

HWMF Closure - Key Objectives

- Meet Closure Performance Standards for hazardous waste cleanup of buildings and structures

- Demonstrate hazardous waste and its residue have been removed and are no longer a threat to human health and the environment (DTSC authority)

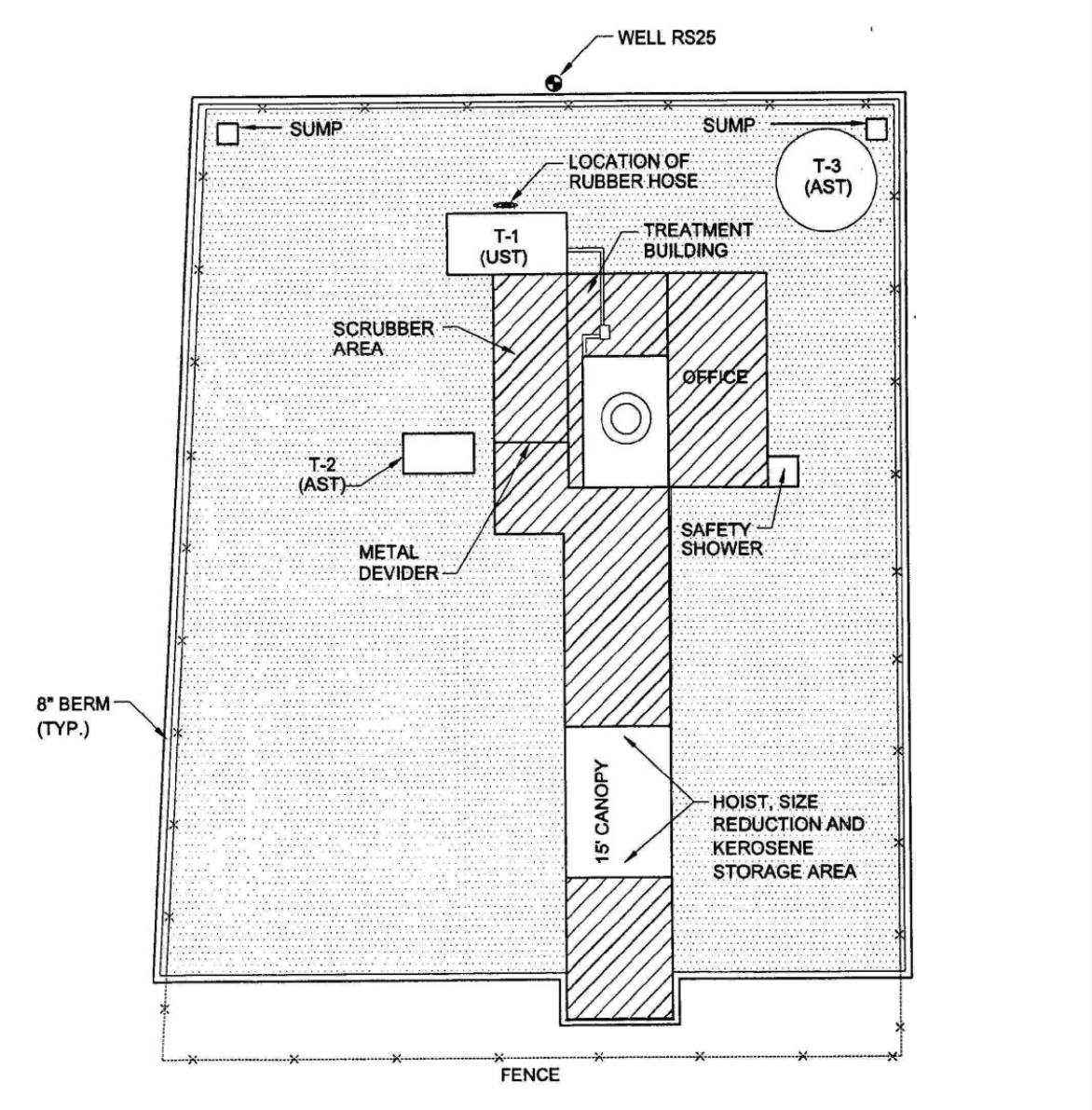
HWMF Closure

HWMF will be removed as a hazardous waste facility through DTSC-approved Closure Plan activities

- HWMF debris would go to an approved offsite Class I CA Facility.
- DTSC will verify that regulatory requirements are met.
- DOE will provide a waste certification package to DTSC for review.

HWMF – Building T133

HWMF Layout – T133



HWMF Layout – T133

Above Ground Tank T-3

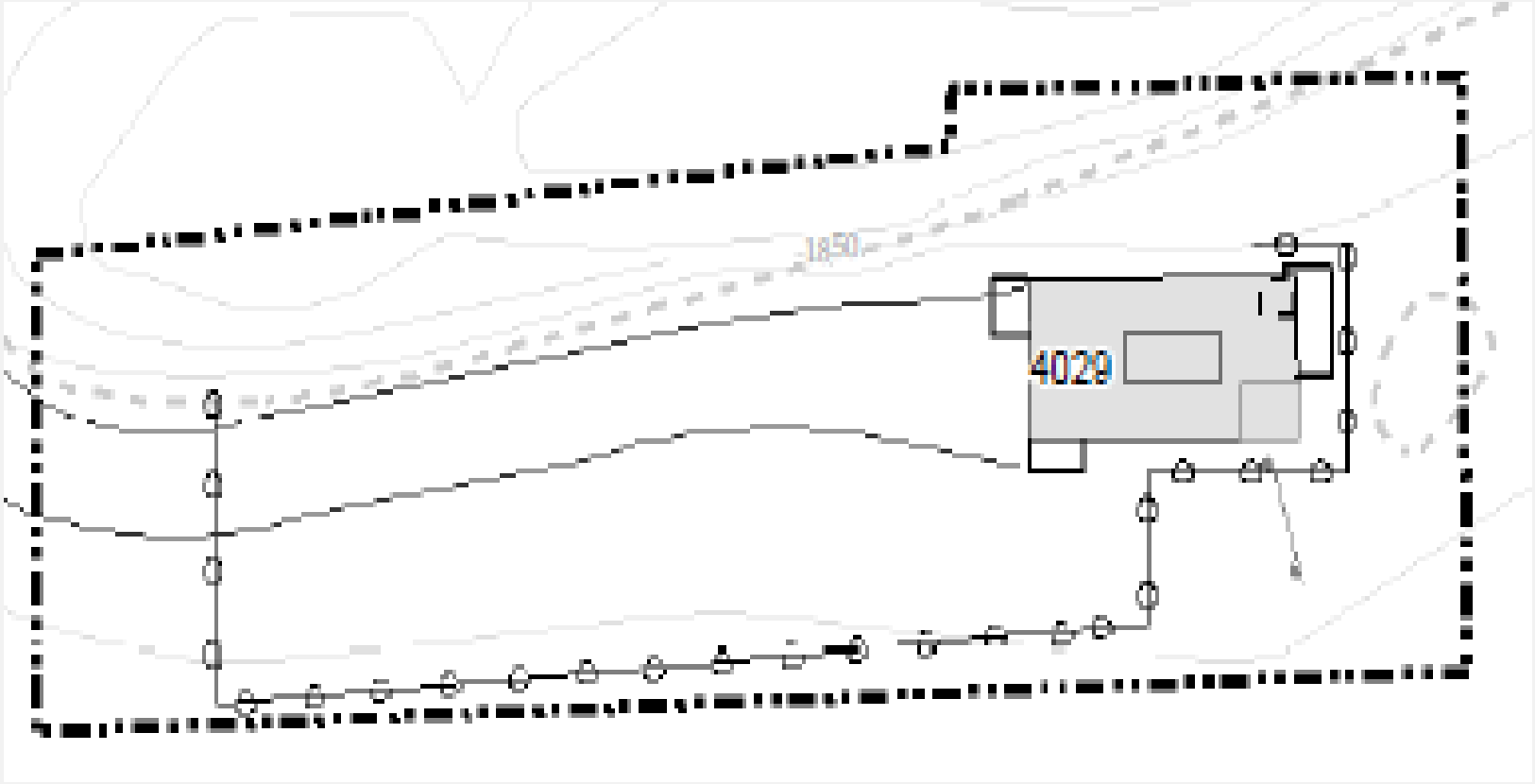
Underground Tank T-1

Former Office

Tank T-1 and Scrubber Area

HWMF Layout – T029

HWMF Layout – T029



What Happens Next?

Public Comment Period

- August 13, 2018 through October 12, 2018

Review and Respond to Public Comments

Information Repositories

Hard copies of Draft Closure Plans and supporting documents are available at local DTSC information repositories:

Simi Valley Library
2969 Tapo Canyon Road
Simi Valley, California 93063
(805) 526-1735

Platt Branch Library
23600 Victory Blvd.
Woodland Hills, California 91367
(818) 340-9386

California State University, Northridge
Oviatt Library, 2nd Floor, Room 265
Northridge, California
(818) 677-2282

DTSC Regional Office
9211 Oakdale Avenue
Chatsworth, CA 91311
(818) 717-6522

DTSC WEBSITE
http://www.dtsc.ca.gov/SiteCleanup/Santa_Susana_Field_Lab/

The Draft Closure Plans and supporting documents are available on the What's New page of the SSFL website.

Providing Written Comments During Public Review Period

Mail to:

Laura Rainey, DTSC Senior Engineering Geologist and Project Manager
Site Mitigation and Restoration Program
5796 Corporate Avenue
Cypress, CA 90630
Email to: Laura.Rainey@dtsc.ca.gov

All comments must be received electronically or postmarked by Friday, October 12, 2018 in order to be responded to in the Final Closure Plans.

To Make Verbal Comments

- Complete a speaker card and return it to the registration table or a DTSC Public Participation staff member
- When your name is called, please walk to the microphone and wait your turn to speak
- If you have physical challenges and cannot approach the microphone, please raise your hand and a microphone will be made available
- Clearly state your first and last name for the record
- State your comment
- Each speaker has up to 3 minutes to speak
- One person's time cannot be given to, or shared with others
- Court reporter will record the comments
- Facilitator can read comments for anyone who does not wish to speak

End of Public Hearing Comments

- This concludes the Public Hearing for the SSFL Draft Closure Plans for the Hazardous Waste Management Facility and the Radioactive Materials Handling Facility
- DTSC will prepare a written response to all comments received and they will be included in the Final Closure Plans
- Thank you for your interest and attendance

Next Public Hearing

Saturday, September 8, 2018

Simi Valley Senior Center, Multipurpose Room

3900 Avenida Simi

Simi Valley, CA 93063

Open House: 10:00 to 10:30am

Public Hearing: 10:30 to 12:00 pm

THANK YOU